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| APPLICANT FACSIMILE OF FORM PTO-TM8 REV 7-80 | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY DOCKET NO. CPI-012CP4DV | SERIAL NO. 09/258600 |
| LIST OF PUBLICATIONS CITED BY APPLICANT (Use several sheets if necessary) | | APPLICANT Fowlkes, Dana M. et al. | |
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| <i>DL</i> | B1 | Akada, R. et al. "Genetic Relationships Between the G Protein β Complex, Ste5p, Ste20p and Cdc42p. Investigation of Effector Roles in the Yeast Pheromone Response Pathway." <i>Genetics</i> 143:103-117 (1996). |
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| <i>DL</i> | B3 | Alteri, Dario C. "Proteases and protease receptors in modulation of leukocyte effector functions," <i>J. of Leukocyte Biol.</i> 58:120-27 (1995). |
| <i>DL</i> | B4 | Artemyev, Nikolai O. et al. "Sites of Interaction between Rod G-Protein α -Subunit and cGMP-phosphodiesterase γ -Subunit," <i>J. Biol. Chem.</i> 267(35):25067-72 (1992). |
| <i>DL</i> | B5 | Beika, C. et al. "The role of tyrosine kinases and their substrates in signal transmission of hematopoietic growth factors: a short review," <i>Leukemia</i> 9:754-61 (1995). |
| <i>DL</i> | B6 | Bender, Alan and Sprague, George F. Jr. "Pheromones and Pheromone Receptors Are the Primary Determinants of Mating Specificity in the Yeast <i>Saccharomyces cerevisiae</i> ," <i>Genetics</i> 121:463-76 (1989). |
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| <i>DL</i> | B8 | Blinder, Dmitry et al. "Constitutive Mutants in the Yeast Pheromone Response: Ordered function of the Gene Products," <i>Cell</i> 56:479-486 (1989). |
| <i>DL</i> | B9 | Bray, P. et al., "Human cDNA clones for four species of $G_{\alpha s}$ signal transduction protein," <i>PNAS USA</i> , 83(23):8893-7 (1986). |
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| <i>DL</i> | B11 | Brill, Julie A. et al. "A Role for Autophosphorylation Revealed by Activated Alleles of <i>FUS3</i> , the Yeast MAP Kinase Homolog," <i>Molecular Biology of the Cell</i> 5:297-312 (1994). |
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| <i>DL</i> | B15 | Chambers, D. A. et al. "Neuroimmune Modulation: Signal Transduction and Catecholamines," <i>Neurochem. Int.</i> 22(2):95-110 (1993). |
| <i>DL</i> | B16 | Chan, Russell K. and Otte, Carol A. "Isolation and Genetic Analysis of <i>Saccharomyces cerevisiae</i> Mutants Supersensitive to G1 Arrest by a Factor and α Factor Pheromones," <i>Molecular and Cellular Biol.</i> 2(1):11-20 (1982). |
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| <i>DL</i> | B18 | Clark, Karen L. et al. "Interactions among the Subunits of the G protein Involved in <i>Saccharomyces cerevisiae</i> Mating," <i>Molecular and Cellular Biol.</i> 13(1):1-8 (1993). |
| <i>DL</i> | B19 | Cole, Gary M. et al. "Stoichiometry of G Protein Subunits Affects the <i>Saccharomyces cerevisiae</i> Mating Pheromone Signal Transduction Pathway," <i>Molecular and Cellular Biology</i> 10(2):510-517 (1990). |

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| APPLICANT FACSIMILE OF FORM PTO-1440 REV 7-80 | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTORNEY DOCKET NO. CPI-012CP4DV | SERIAL NO. 09/258600 |
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| DL | C7 | Dubois, Patricia M. et al. "Role of the transmembrane and cytoplasmic domains of surface IgM in endocytosis and signal transduction," <i>Eur. J. Immunol.</i> 22:851-57 (1992). |
| DL | C8 | Enckson, Deborah "Intercepted Messages. New biotechnology drugs target intracellular communication," <i>Scientific American</i> 267(5) 122-23 (1992). |
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| DL | C10 | Fasullo, Michael T. and Davis, Ronald W. "Direction of Chromosome Rearrangements in <i>Saccharomyces cerevisiae</i> by Use of <i>his3</i> Recombinational Substrates," <i>Molecular and Cellular Biol.</i> 8(10):4370-80 (1988) |
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| DL | C13 | Franke, Arthur E. et al. "Human C5a Anaphylatoxin: Gene Synthesis, Expression, and Recovery of Biologically Active Material from <i>Escherichia coli</i> ," <i>Methods in Enzymology</i> 162:653-68 (1988). |
| DL | C14 | Funaro, Ada et al. "Human CD38 is associated to distinct molecules which mediate transmembrane signaling in different lineages," <i>Eur. J. Immunol.</i> 23:2407-11 (1993). |
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| DL | C16 | Garritsen, Anja et al. "The N-Terminal coiled-coil domain of β is essential for γ association: A Model for G-Protein $\beta\gamma$ subunit interaction," <i>Proc. Natl. Acad. Sci. USA</i> 90:7706-10 (1993). |
| DL | C17 | Gerard, Norma P. and Gerard, Craig "Construction and Expression of a Novel Recombinant Anaphylatoxin, C5a-N19, a Probe for the Human C5a Receptor," <i>Biochemistry</i> 29(39):9274-81 (1990). |
| DL | C18 | Gordon, J. "B-cell signaling via the C-type lectins CD23 and CD72," <i>Immunology Today</i> 15(9):411-17 (1994). |
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| APPLICANT FACSIMILE OF FORM PTO-148 REV 7-84 | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY DOCKET NO CPI-012CP4DV | SERIAL NO 09/258600 |
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| D1 | Graf, Rolf et al. "A Truncated Recombinant α Subunit of G_{12} with a Reduced Affinity for $\beta\gamma$ Dimers and Altered Guanosine 5'-3-O-(Thio)triphosphate Binding." <i>J. of Biol. Chem.</i> 267(34):24307-14 (1992). |
| D2 | Gros, Philippe et al. "Mammalian Multidrug Resistance Gene: Complete cDNA Sequence Indicates Strong Homology to Bacterial Transport Proteins." <i>Cell</i> 47:371-80 (1986). |
| D3 | Hagen, David C. et al. "Evidence the yeast <i>STE3</i> gene encodes a receptor for the peptide pheromone α factor. Gene sequence and implications for the structure of the presumed receptor." <i>Proc. Natl. Acad. Sci. USA</i> 83:1418-22 (1986). |
| D4 | Hall, Marcia et al. "Evidence for different modes of action of cyclin-dependent kinase inhibitors: p15 and p16 bind to kinases, p21 and p27 bind to cyclins." <i>Oncogene</i> 11 1581-88 (1995). |
| D5 | Harpury, Penn B. et al. "A Switch Between Two-, Three- and Four-Stranded Coiled Coils in GCN4 Leucine Zipper Mutants." <i>Science</i> 262:1401-07 (1993). |
| D6 | Hartwell, Leland H. "Mutants of <i>Saccharomyces cerevisiae</i> Unresponsive to Cell Division Control by Polypeptide Mating Hormone." <i>J. Cell Biol.</i> 85:811-22 (1980). |
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| D9 | Hiltunen, J. Kalervo et al. "Peroxisomal Multifunctional β -Oxidation Protein of <i>Saccharomyces cerevisiae</i> ." <i>J. of Biol. Chem.</i> 267(10):6646-6653 (1992). |
| D10 | Hrycyna, Christine A. et al. "The <i>Saccharomyces cerevisiae</i> <i>STE14</i> gene encodes a methyltransferase that mediates C-terminal methylation of α -factor and RAS Proteins." <i>The EMBO J.</i> 10(7) 1699-1709 (1991). |
| D11 | Huang, Chi-Ying F. et al. "Ultrasensitivity in the mitogen-activated protein kinase cascade." <i>Proc. Natl. Acad. Sci. USA</i> 93:10078-10083 (1996). |
| D12 | Imamoto, Akira et al. "Genetics of signal transduction: tales from the mouse." <i>Curr. Opin. Gen. & Dev.</i> 4:40-46 (1994). |
| D13 | Inouye, Carla et al. "Ste5 RING-H2 Domain: Role in Ste4-Promoted Oligomerization for Yeast Pheromone Signaling." <i>Science</i> 278:103-106 (1997). |
| D14 | Jabbar, M. Abdul et al. "Influenza Viral (AWSN/33) hemagglutinin is expressed and glycosylated in the yeast <i>Saccharomyces cerevisiae</i> ." <i>Proc. Natl. Acad. Sci. USA</i> 82:2019-23 (1985). |
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| D18 | Julius, David et al. "Isolation of the Putative Structural Gene for the Lysine-Arginine-Cleaving Endopeptidase Required for Processing of Yeast Prepro- α -factor." <i>Cell</i> 37:1075-89 (1984). |
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| APPLICANT FACSIMILE OF FORM PTO-1449 REV 7-80 | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTORNEY NO CPI-012CP4DV | SERIAL NO 09/258600 |
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| <i>DL</i> | E1 | Kaiser, Chris A. et al. "Many Random Sequences Functionally Replace the Secretion Signal Sequence of Yeast Invertase," <i>Science</i> 235:312-17 (1987) |
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| <i>DL</i> | E4 | Kramer, R. A. et al. "HTLV-III gag Protein Is Processed in Yeast Cells by the Virus pol-Protease," <i>Science</i> 231:1580-85 (1986). |
| <i>DL</i> | E5 | Kuchler, Karl and Thormer, Jeremy "Functional expression of human <i>mdr1</i> in the yeast <i>Saccharomyces cerevisiae</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 89:2302-06 (1992). |
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| <i>DL</i> | E12 | Lemire, Bernard D. et al. "The Mitochondrial Targeting Function of Randomly Generated Peptide Sequences Correlates with Predicted Helical Amphiphilicity," <i>J. Biol. Chem.</i> 264(34):20206-15 (1989). |
| <i>DL</i> | E13 | Awramik, S.M. "New fossil finds in old rocks," <i>Nature</i> 318:446-47 (1986). |
| <i>DL</i> | E14 | Linder, Maurine E. and Gilman, Alfred G. "G Proteins," <i>Scientific American</i> 267(1):56-61, 64-65 (1992). |
| <i>DL</i> | E15 | Linder, Maurine E. et al. "Lipid Modifications of G Protein Subunits: Myristoylation of <i>G_{oα}</i> Increases its Affinity for <i>β_γ</i> ," <i>J. Biol. Chem.</i> 266(7):4654-59 (1991). |
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| <i>DL</i> | E17 | Lupas, Andrei N. et al. "Do G protein subunits associate via a three-stranded coiled coil?" <i>FEBS</i> 314(2):105-08 (1992) |
| <i>DL</i> | E18 | Mackay, Vivian and Manney, Thomas R. "Mutations Affecting Sexual Conjugation and Related Processes in <i>Saccharomyces cerevisiae</i> . II. Genetic Analysis of Nonmating Mutants," <i>Genetics</i> 76:273-88 (1974). |
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| <input checked="" type="checkbox"/> | F1 | Marengere, Luc E.M. and Pawson, Tony "Structure and function of SH2 domains," <i>J. Cell Science Suppl</i> 18:97-104 (1994). |
| <input checked="" type="checkbox"/> | F2 | Markby, David W. et al. "Separate GTP Binding and GTPase Activating Domains of a G α Subunit," <i>Science</i> 262:1895-1901 (1993). |
| <input checked="" type="checkbox"/> | F3 | Mattera, R. et al. "Identification by molecular cloning of two forms of the α -subunit of the human liver stimulatory (G $_s$) regulatory component of adenylyl cyclase," <i>FEBS</i> 206(1):36-41 (1986). |
| <input checked="" type="checkbox"/> | F4 | Michaelis, Susan and Herskowitz, Ira "The α -Factor Pheromone of <i>Saccharomyces cerevisiae</i> is Essential for Mating," <i>Molecular and Cellular Biol.</i> 8(3):1309-18 (1988). |
| <input checked="" type="checkbox"/> | F5 | Milano, C.A. et al. "Enhanced Myocardial Function in Transgenic Mice Overexpressing the β_2 -Adrenergic Receptor," <i>Science</i> 264:582-86 (1994). |
| <input checked="" type="checkbox"/> | F6 | Milburn, Michael V. et al. "Molecular Switch for Signal Transduction: Structural Differences Between Active and Inactive Forms of Protooncogenic ras Proteins," <i>Science</i> 247:939-45 (1990). |
| <input checked="" type="checkbox"/> | F7 | Mumby, Susanne M. et al. "G-Protein α -subunit expression, myristoylation, and membrane association in COS cells," <i>Proc. Natl. Acad. Sci. USA</i> 87:728-32 (1990). |
| <input checked="" type="checkbox"/> | F8 | Nakafuku, Masato et al. "Occurrence in <i>Saccharomyces cerevisiae</i> of a gene homologous to the cDNA coding for the α -subunit of mammalian G proteins," <i>Proc. Natl. Acad. Sci. USA</i> 84:2140-44 (1987). |
| <input checked="" type="checkbox"/> | F9 | Nakayama, N. et al. "Common signal transduction system shared by STE2 and STE3 in haploid cells of <i>Saccharomyces cerevisiae</i> , autocrine cell-cycle arrest results from forced expression of STE2," <i>The EMBO J</i> 6(1):249-54 (1987). |
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| <input checked="" type="checkbox"/> | F11 | Ngo, J.T. et al. "Computational Complexity, Protein Structure Prediction, and the Levinthal Paradox" in <i>The Protein Folding Problem and Tertiary Structure Prediction</i> Merz K.M. et al., eds. Birkhauser, Boston, pp. 433-506 (1994). |
| <input checked="" type="checkbox"/> | F12 | Noel, Joseph P. et al. "The 2.2 Å crystal structure of transducin- α complexed with GTP- γ -S," <i>Nature</i> 366:654-63 (1993). |
| <input checked="" type="checkbox"/> | F13 | Noelle, Randolph J. et al. "CD40 and its ligand, an essential ligand-receptor pair for thymus-dependent B-cell activation," <i>Immunol. Today</i> 13(11):431-33 (1992). |
| <input checked="" type="checkbox"/> | F14 | Nomoto, Satoshi et al. "Regulation of the yeast pheromone response pathway by G protein subunits," <i>The EMBO J</i> 9(3):691-696 (1990). |
| <input checked="" type="checkbox"/> | F15 | Nye, Jeffrey S. and Kopan, Raphael "Vertebrate ligands for Notch," <i>Current Biology</i> 5(9):966-69 (1995). |
| <input checked="" type="checkbox"/> | F16 | Oeda, Kenji et al. "Expression of Rat Liver Cytochrome P-450MC cDNA in <i>Saccharomyces cerevisiae</i> ," <i>DNA</i> 4(3):203-10(1985). |
| <input checked="" type="checkbox"/> | F17 | Ogden, Jill E. et al. "Efficient Expression of the <i>Saccharomyces cerevisiae</i> PGK Gene Depends on an Upstream Activation Sequence but Does Not Require TATA Sequences," <i>Molecular and Cellular Biol.</i> 6(12):4335-43 (1986). |
| <input checked="" type="checkbox"/> | F18 | Pi, H. et al. (1997) "transcriptional activation upon pheromone stimulation mediated by a small domain of <i>Saccharomyces cerevisiae</i> Ste12p," <i>Mol. Cell. Biol.</i> 17(11):6410-6418 (1997). |

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| APPLICANT FACSIMILE OF FORM PTO-1449 REV 7-90 | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTORNEY NO CPI-012CP4DV | SERIAL NO 09/258600 |
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| DL | G1 | Pronin, Alexey N. and Gautam, Narasimhan "Interaction between G-Protein β and γ subunit types is selective," <i>Proc. Natl. Acad. Sci. USA</i> 89:6220-24 (1992). |
| DL | G2 | Ramer, Sandra W. and Davis, Ronald W. "A dominant truncation allele identifies a gene, <i>STE20</i> , that encodes a putative protein kinase necessary for mating in <i>Saccharomyces cerevisiae</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 90:452-456 (1993). |
| DL | G3 | Ranade, Koustubh et al. "Mutations associated with familial melanoma impair p16 ^{INK4} function," <i>Nature Genetics</i> 10:114-16 (1995). |
| DL | G4 | Ranck, Helen M. et al. "A Site on Rod G Protein α Subunit That Mediates Effector Activation," <i>Science</i> 256:1031-33 (1992). |
| DL | G5 | Reed, Randall R. "G Protein Diversity and the Regulation of Signaling Pathways," <i>The New Biologist</i> 2(11):957-60 (1990). |
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